

**SC State Budget and Control Board**  
**Division of the State CIO**  
Research and Planning Services



2003-2004  
Information Technology Plan Report

April 9, 2003

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## **Introduction**

Information Technology Management (ITM) derives its legal authority from Section 11-35-1580 of the South Carolina Code of Laws which assigns the responsibility for assessing the need for and use of information technology (IT), evaluating the use and management of IT, developing policies and standards for the management of IT in state government, initiating a state plan for the management and use of IT, and providing management and technical assistance to state agencies in the use of IT. The Budget and Control Board has delegated the ITM authority to the Division of the CIO with specific oversight to Research and Planning services. To carry out these responsibilities, in part, the Division of the CIO requires each state agency to submit in the fall of each year a comprehensive IT plan setting forth the agency's proposed IT acquisitions for the next three (3) years along with the agency's then-current IT base budget, and to submit at other times as needed ad hoc requests for items of IT not included in the agency's annual plan, where such items of IT cost \$25,000 or more.

This report summarizes the data collected from the agencies/institutions 2003/04 IT plans and offers unique observations. It is presented in three sections. The first section summarizes base budget information. Categories of base IT expenditures are provided with accompanying summary data and graphs. The next section provides summary and detailed information about proposed IT project requests. The last section groups IT requests by specific technologies and provides observations regarding their use in South Carolina government and suggestions for possible collaboration to achieve cost savings.

### **III. Base Budget**

## **Base Budget Categories**

Base budget expenditures are collected for the following categories. The expenditures are what the agencies/institutions are currently spending for these categories of information technology.

**Computer Services** – includes mainframe data services provided by the Division of the State CIO, other state agencies, and the private sector.

**Copying and Printing** – includes equipment, maintenance, supplies and personnel costs for copiers, electronic printing, and offset printing.

**Field Technologies** – includes equipment, maintenance, supplies and personnel costs for 2-way radios and GPS (global positioning system).

**Mainframe/Minicomputer** – includes hardware, software, maintenance, and personnel costs for mainframes, minicomputers and large servers.

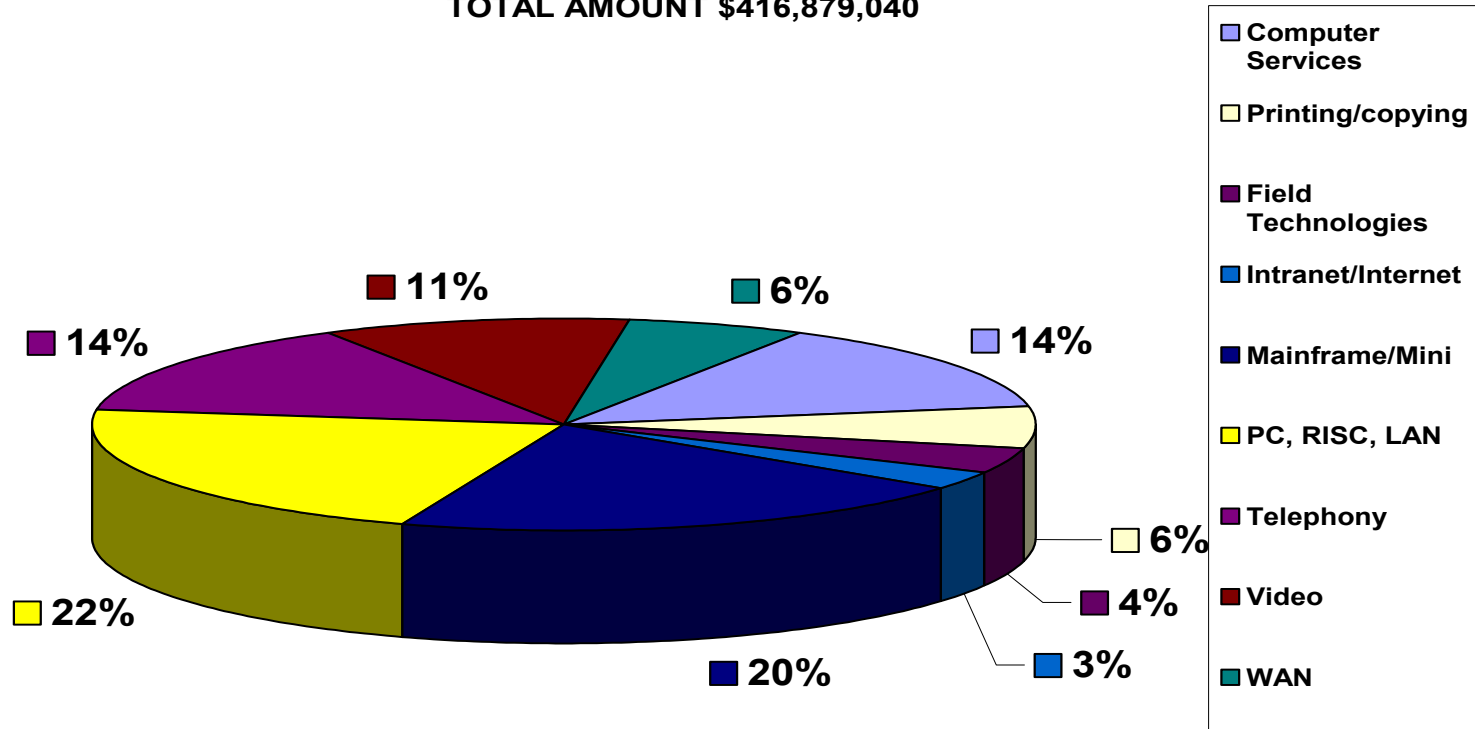
**PC/RISC/LAN/DOS** – includes hardware, software, maintenance, and personnel costs for microcomputers, client servers, web servers, and desktop laser printers.

**Telephony** – includes local, long distance and cellular service, wireless access, telephone systems, facsimile machines, voice mail and IVR (integrated voice response) systems.

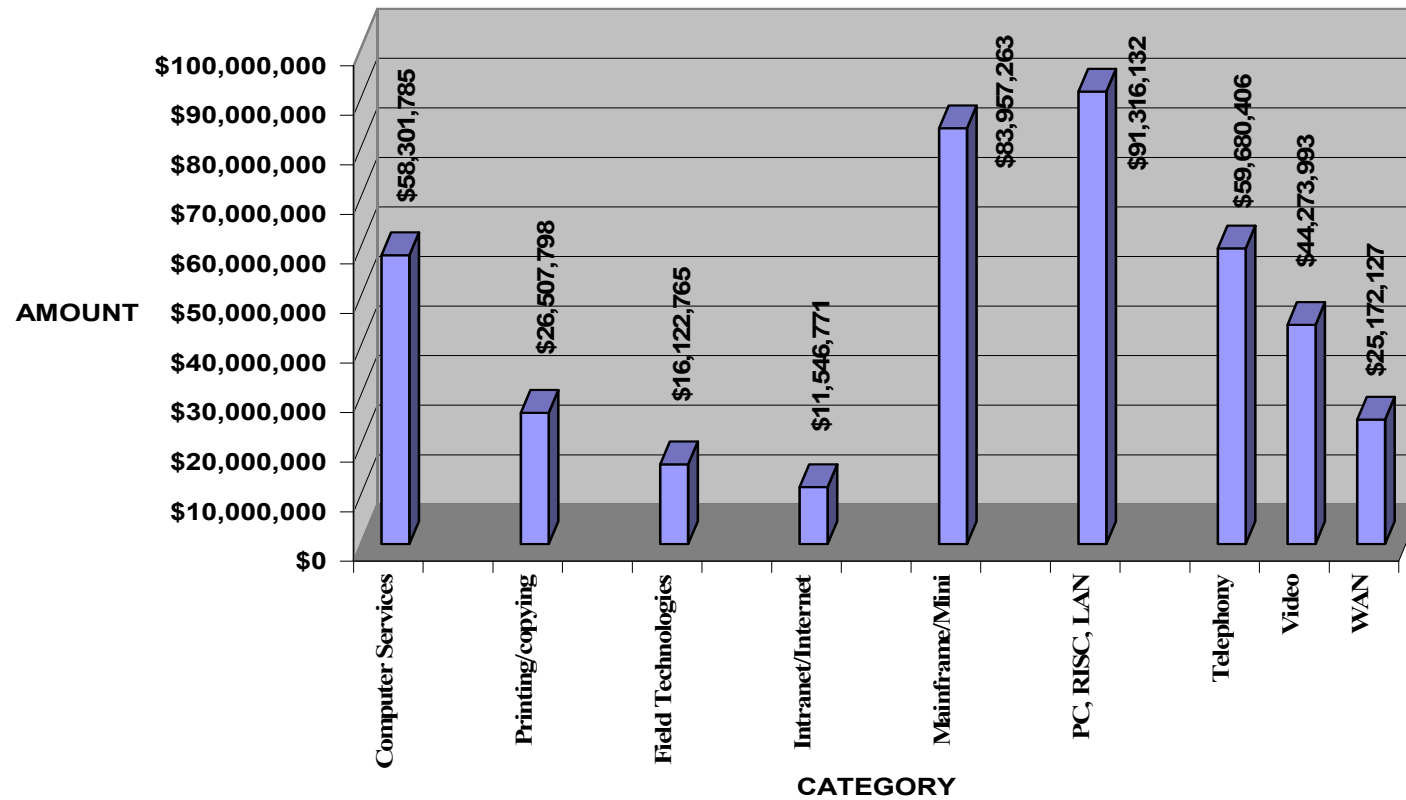
**Video** – includes video contractual services, provided by SCETV, other public sector and private sector, video equipment, maintenance, supplies and personnel.

**Wide Area Network** – includes routers, CSU/DSU, switches, cable/fiber, personnel, maintenance, and access/line charges provided by CIO, TELCO and SCINET.

**2003-04 BASE BUDGET INFORMATION TECHNOLOGY STATEWIDE**  
**TOTAL AMOUNT \$416,879,040**



**2003-04 BASE BUDGET INFORMATION TECHNOLOGY STATEWIDE**  
**TOTAL AMOUNT \$416,879,040**



## **Total Base Budget Expenditures by Agency**

<b>Agency</b>	<b>Total Base Budget</b>
Adjutant General-----	\$397,468
Aiken Technical College -----	\$346,708
Alcohol and Other Drug Abuse Services-----	\$718,504
Archives and History-----	\$643,593
Arts Commission -----	\$469,459
BCB Board of Economic Advisors-----	\$0
BCB Executive Institute -----	\$11,076
BCB Human Resources-----	\$797,629
BCB Insurance Services -----	\$968,430
BCB Internal Audit & Performance Review-----	\$420
BCB Internal Operations -----	\$1,926,137
BCB Office of Executive Director -----	\$43,326
BCB Office of General Counsel -----	\$53,420
BCB Office of General Services-----	\$1,130,463
BCB Office of Research and Statistics -----	\$722,010
BCB Office of State CIO -----	\$63,750,431
BCB State Budget Office-----	\$291,451
Board of Financial Institutions-----	\$100,483
Central Carolina Technical College-----	\$849,676
Clemson University -----	\$28,253,184
Coastal Carolina University -----	\$1,635,569
College of Charleston -----	\$11,078,121
Commission for the Blind -----	\$305,075
Commission on Human Affairs-----	\$123,875
Commission on Minority Affairs-----	\$49,600
Comptroller General -----	\$1,050,800
Consumer Affairs-----	\$144,478
Department of Commerce -----	\$867,620
Department of Disabilities and Special Needs-----	\$1,683,687
Department of Education -----	\$6,868,646
Department of Health and Human Services-----	\$32,857,260
Department of Insurance-----	\$936,238
Department of Juvenile Justice -----	\$531,163
Department of Labor, Licensing, and Regulation -----	\$2,163,880
Department of Mental Health -----	\$13,546,221
Department of Natural Resources -----	\$3,339,292



Department of Parks, Recreation, and Tourism -----	\$1,062,837
Department of Public Safety -----	\$35,877,985
Department of Revenue-----	\$8,178,256
Department of Social Services-----	\$22,615,441
Department of Transportation-----	\$25,234,000
DHEC - Appalachia I Health District-----	\$344,111
DHEC - Appalachia II Health District-----	\$705,800
DHEC - Appalachia III Health District-----	\$484,300
DHEC - Catawba Health District-----	\$310,000
DHEC - Edisto Health District-----	\$539,929
DHEC - Environmental Quality Control Offices-----	\$2,979,307
DHEC - Health Regulations Offices -----	\$306,750
DHEC - Health Services - Central Office -----	\$796,645
DHEC - Low Country Health District -----	\$293,000
DHEC - Lower Savannah Health District -----	\$51,360
DHEC - Palmetto Health District-----	\$151,200
DHEC - Pee Dee Health District -----	\$734,850
DHEC - Trident Health District -----	\$914,200
DHEC - Upper Savannah Health District -----	\$279,513
DHEC - Waccamaw Health District -----	\$906,000
DHEC - Wateree Health District -----	\$538,500
DHEC Commission - Administration and Other -----	\$48,905
DHEC Commission - Budgets -----	\$13,100
DHEC Commission - Business Management-----	\$32,000
DHEC Commission - Finance -----	\$33,250
DHEC Commission - Information Systems and Services---	\$5,689,882
DHEC Commission - Vital Records and PH Statistics -----	\$281,657
DHEC Ocean and Coastal Resource Mgmt Offices -----	\$10,000
Education Oversight Committee-----	\$54,196
Educational Television Commission-----	\$38,472,610
Employment Security Commission -----	\$0
Ethics Commission -----	\$35,500
Forestry Commission -----	\$2,561,738
Francis Marion University-----	\$820,072
Governor's Office - Executive Policy and Programs-----	\$843,000
Greenville Technical College -----	\$3,726,800
Higher Education Commission -----	\$653,691
Horry-Georgetown Technical College-----	\$1,705,520
John De La Howe School-----	\$91,235
Judicial Department -----	\$5,260,500

Lander University -----	\$1,573,053
Legislative Audit Council -----	\$56,150
Medical University of South Carolina -----	\$500,000
Midlands Technical College -----	\$3,321,109
Northeastern Technical College -----	\$451,413
Orangeburg-Calhoun Technical College -----	\$1,128,560
Patriots Point Development Authority -----	\$235,150
Piedmont Technical College -----	\$1,996,938
Probation, Parole, and Pardon Services -----	\$2,306,496
Prosecution Coordination Commission -----	\$14,903
Public Service Commission -----	\$554,119
Retirement System -----	\$3,581,881
School for the Deaf and Blind -----	\$895,595
Second Injury Fund -----	\$156,800
Secretary of State -----	\$633,707
Spartanburg Technical College -----	\$1,080,500
State Accident Fund -----	\$388,100
State Law Enforcement Division -----	\$6,945,327
State Library -----	\$368,082
State Museum -----	\$35,427
State Treasurer -----	\$931,557
Technical College of the Lowcountry -----	\$914,200
The Citadel -----	\$3,798,577
Tri-County Technical College -----	\$1,482,888
Trident Technical College -----	\$4,829,518
USC Associate Provost -----	\$90,972
USC Associate Provost, Dean of Graduate School -----	\$135,501
USC Business and Finance -----	\$750,000
USC College of Education -----	\$616,000
USC College of Liberal Arts -----	\$1,577,928
USC Computer Services, Columbia -----	\$17,236,205
USC Hospitality, Retail and Sport Management -----	\$160,500
USC Human Resources -----	\$276,902
USC Institutional Planning and Assessment -----	\$0
USC Library and Information Systems -----	\$543,950
USC Regional Campuses and Continuing Education -----	\$0
USC School of Medicine -----	\$934,300
USC School of Music -----	\$148,900
USC The Darla Moore School of Business -----	\$1,045,200
USC Vice President for Student and Alumni Services -----	\$2,237,954

USC, Aiken-----	\$1,912,905
USC, Lancaster -----	\$172,500
USC, Salkehatchie-----	\$215,740
USC, Spartanburg -----	\$2,554,700
USC, Sumter -----	\$526,415
USC, Union -----	\$81,465
Vocational Rehabilitation Commission-----	\$4,440,064
Williamsburg Technical College -----	\$414,800
Winthrop University -----	\$4,689,756
York Technical College-----	\$484,500

## **Agencies That Did Not Submit Base Budget for 2003-2004 IT Plan**

### **Agency**

Administrative Law Judge Division  
Attorney General  
BCB Division of Procurement Services  
BCB Local Governments  
BCB Office of the Insurance Reserve Fund  
BCB State Energy Office  
Commission on Appellate Defense  
Denmark Technical College  
Department of Agriculture  
Department of Corrections  
Election Commission  
Florence-Darlington Technical College  
Higher Education Tuition Grants  
Housing Authority  
Medical Malpractice Patient Compensation Fund  
Procurement Review Panel  
SC Lottery Commission  
Sea Grant Consortium  
Sentencing Guidelines Commission  
South Carolina State University  
State Auditor  
Technical and Comprehensive Education, State Board  
Wil Lou Gray Opportunity School  
Workers Compensation Commission

## **IV. Proposed Information Technology Applications 2003-2004 IT Plan**

## **Proposed IT Application Definitions and Statistics 2003-2004 IT Plan**

This section presents statistical information relating to proposed information technology applications submitted by agencies in their FY2003-04 IT Plans. The figures shown represent cost projections provided by the agencies. They do not represent final budgeted amounts.

### **Definitions**

**Application:** A descriptive name for an application proposed by an agency that costs over \$25,000.

**Approved:** Agency can proceed with procurement of associated application.

**Deferred:** Agency can not proceed with procurement of associated application until additional information is resubmitted and approved.

**Special Status:** Agency can proceed with procurement but must follow specified guidelines and instructions along with all procurement codes.

### **Statistics**

#### **Numbers**

Number of Agencies Submitting Applications	59
Total Number of Applications	300
Number Approved	188
Number Deferred	56
Number Special Status	56

#### **Dollar Amounts**

Amount Requested	\$233,147,853
Amount Approved	\$118,216,617
Amount Deferred	\$86,087,029
Special Status	\$28,844,207

#### **Type of Funds**

	<b>Amount Requested</b>
New (requested new state appropriations)	\$93,715,162
Base (existing state appropriations)	\$31,421,975
Revenue (generated funds)	\$7,419,800
Federal (grant funds)	\$64,904,850
Other	<u>\$35,686,066</u>
<b>Total</b>	<b>\$233,147,853</b>

#### **Category**

	<b>Amount Requested</b>
Personnel Services	\$22,229,760
Equipment	\$109,438,956
Maintenance	\$15,921,384
Contractual Services	\$83,366,003
Capital Improvements	\$590,000
Communication	<u>\$1,601,750</u>
<b>Total</b>	<b>\$233,147,853</b>

## Proposed IT Application Summary by Agency 2003-2004 IT Plan

### Adjutant General

#### Approved Applications

Title	Requested	Approved
Implement Satellite Communications	\$152,500	\$152,500

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### Aiken Technical College

#### Deferred Applications

Title	Requested
Library System	\$75,000

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### Archives and History

#### Approved Applications

Title	Requested	Approved
South Carolina Digital Memory Project	\$100,000	\$100,000
Public Internet Access to State Archives Catalog	\$216,000	\$216,000

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### BCB Insurance Services

#### Approved Applications

Title	Requested	Approved
General Upgrade of PC and Desktop	\$56,900	\$56,900
Network and Imaging	\$280,000	\$280,000

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### BCB Office of General Services

#### Approved Applications

Title	Requested	Approved
PC Upgrades/New Installations	\$45,000	\$45,000

#### Applications with Special Status

Title	Requested
Upgrade Network Firewall	\$9,000

---

### Central Carolina Technical College

#### Approved Applications

Title	Requested	Approved
Office Equipment Replacement	\$346,775	\$346,775
Infrastructure Upgrade	\$299,730	\$299,730
Administrative System Upgrade	\$203,150	\$203,150

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## Clemson University

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Clemson and DHHS Core Business Systems	\$253,000	\$253,000
Remote Campus Local Area Network	\$660,000	\$660,000
Mainframe Support Equipment Upgrades	\$550,000	\$550,000
Campus Local Area Network (Client Connections)	\$693,000	\$693,000
Campus Local Area Network (Backbone)	\$1,050,000	\$1,050,000
Wireless Communication Projects	\$268,000	\$268,000
IP Based Voice and Video Communications	\$367,000	\$367,000
Upgrade to Directory, Utility, File, Print, and Web Servers	\$315,000	\$315,000
Network Support Systems	\$118,000	\$118,000
Mainframe Software Upgrades and Vendor Support Increases	\$850,000	\$100,000
Contractors, Consultants, and Training	\$230,000	\$230,000
Upgrade and/or Replace Equipment	\$34,400	\$34,400
Mainframe ISPF Development Productivity Software	\$40,000	\$40,000
Additional Distance Learning Classrooms	\$52,500	\$52,500
Video Communications Cabling & Supplies	\$37,000	\$37,000
Enhancement To Existing Campus Wide Access Control	\$865,000	\$865,000

### Deferred Applications

<b>Title</b>	<b>Requested</b>
Software Licenses, Renewals, and Maintenance Fees	\$376,000
Growth and Replacement of Microcomputers	\$5,600,000
Copier Replacement/Additions	\$1,200,000

### Applications with Special Status

<b>Title</b>	<b>Requested</b>
Hardware Maintenance Fees	\$15,000
Remote Access Capability	\$14,000
Mainframe Online Table Management Software	\$15,000
SAS Access Interface Mainframe Software	\$5,000
Multimedia Classroom Delivery Systems	\$290,000

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## Commission on Human Affairs

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Personal computer replacement purchases 5-year period.	\$33,660	\$33,660

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## Department of Disabilities and Special Needs

### Deferred Applications

<b>Title</b>	<b>Requested</b>
Enhancement-Web enable client service delivery systems	\$400,000

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## Department of Health and Human Services

### Deferred Applications

<b>Title</b>	<b>Requested</b>
Health Insurance Portability Accountability Act (HIPAA)	\$7,368,419
SC Access	\$73,820

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## Department of Insurance

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Uniform Producer Model Law - Phase Two.	\$1,000,000	\$1,000,000
Electronic Document Image Management and Workflow	\$996,000	\$996,000

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## Department of Mental Health

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Automated LAB System for Byrnes Medical Center	\$100,000	\$100,000
Centralized Transcription System	\$450,000	\$450,000

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## Department of Natural Resources

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Multihazard Flood Map Modernization	\$32,225,000	\$32,225,000

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## Department of Parks, Recreation, and Tourism

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Centrilized Reservation System for State Parks	\$150,000	\$150,000
Interactive Ratings/Rankings for Products on Website	\$40,000	\$40,000

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## Department of Revenue

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Tax Data Warehouse	\$1,320,000	\$1,320,000
Relational Database Conversion	\$3,850,000	\$3,850,000
Contact Center Telephony Solution	\$765,000	\$765,000
Replacement Database Servers	\$54,000	\$54,000
Replace Scan/Image Infrastructure	\$32,000	\$32,000
New Storage Area Network	\$142,000	\$142,000
STAX Data Mart	\$120,000	\$120,000

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## DHEC - Appalachia I Health District

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Replace / expand telephone system	\$107,000	\$107,000
Computer hardware and software replacement	\$66,000	\$66,000

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## DHEC - Appalachia III Health District

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Replace one-third (1/3) of district PCs and Printers	\$140,000	\$140,000
Upgrade outdated application software and desktop OS.	\$45,000	\$45,000
Replace telephone wiring, telephones & associated equipment	\$105,400	\$105,400

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## DHEC - Edisto Health District

### Approved Applications

Title	Requested	Approved
Replacement of outdated hardware	\$100,000	\$100,000
Conversion of Telephone Switch to CIO Office	\$12,000	\$12,000

### Applications with Special Status

Title	Requested
Training for ITstaff	\$10,000

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## DHEC - Environmental Quality Control Offices

### Approved Applications

Title	Requested	Approved
EQC Replacement of Network Printers	\$300,000	\$300,000
EQC Replacement of Personal Computers	\$2,550,000	\$2,550,000
EQC EFIS Special Function Servers	\$910,000	\$182,000
EQC District and Emergency Radio Communications	\$60,000	\$60,000
EQC Microsoft Office and Windows Upgrade	\$750,000	\$750,000
EQC Cellular Phones for Bureau of Environmental Services	\$52,500	\$52,500
EQC 800 MHz Radios for Emergency Response Activities	\$360,000	\$360,000
EQC EFIS Support and Maintenance	\$1,100,000	\$1,100,000
EQC ArcGIS Connect and Deployment Licensing	\$82,000	\$82,000
Environmental Facility Information System (Phase II)	\$3,600,000	\$3,600,000
National Environmental Information Exchange	\$338,994	\$338,994
Peripheral Hardware/Licensing for Imaging	\$71,000	\$71,000

### Deferred Applications

Title	Requested
Digital Cameras for Environmental Services District Staff	\$72,000
Storage Area Network (SAN) Unit for Server Storage Consolidation	\$260,000
Geographic Information System (GIS) Support & Deployment	\$407,000
Geographic Information System (GIS) & Related Software	\$577,000
Geographic Information System (GIS) & Related Training	\$100,000
Geographic Information System (GIS) Spatial Database Engine Server	\$100,000
Geographic Information System (GIS) Internet Mapping Server	\$110,000
Geographic Information System (GIS) Intranet Mapping Server	\$110,000
Geographic Information System (GIS) & Related Data	\$60,000
Global Positioning System (GPS) & Related Items	\$210,000
Data Centralization through EQuIS Application	\$115,000

### Applications with Special Status

Title	Requested
EQC Replacement of Novell and Microsoft Servers	\$1,625,000
EQC District Services PDA Purchase	\$6,250
EQC Administration and Bureau of Air Quality - PDA Purchase	\$15,000
EQC Large Format Printers	\$18,600

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## DHEC - Health Services - Central Office

### Approved Applications

Title	Requested	Approved
Personal Computer Upgrades	\$789,999	\$789,999

### Deferred Applications

Title	Requested
CARES	\$3,358,782

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## DHEC - Low Country Health District

### Approved Applications

Title	Requested	Approved
Low Country - Hardware Upgrade	\$226,000	\$226,000

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## DHEC - Lower Savannah Health District

### Approved Applications

Title	Requested	Approved
Computer/monitor/printer Replacement 25% of Existing	\$82,800	\$82,800

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## DHEC - Palmetto Health District

### Approved Applications

Title	Requested	Approved
Computer Server Upgrade Rich. and Lex. Health Dept.	\$35,000	\$35,000

### Deferred Applications

Title	Requested
Upgrade to Microsoft Office 2000 Professional	\$70,000

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## DHEC - Trident Health District

### Deferred Applications

Title	Requested
Trident Workstation Upgrades	\$90,000

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## DHEC - Upper Savannah Health District

### Approved Applications

Title	Requested	Approved
Replacement of Desktop Computers	\$465,975	\$465,975
Server Repacement Upper Savannah	\$167,664	\$167,664

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## DHEC - Waccamaw Health District

### Deferred Applications

Title	Requested
Waccamaw Workstation Upgrades	\$90,000

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## DHEC - Wateree Health District

### Approved Applications

Title	Requested	Approved
Wateree - Telephony	\$40,000	\$40,000
Wateree - Replacement PCs	\$42,250	\$42,250
Wateree - Re-cable Buildings with Fiber Optic	\$100,000	\$100,000
Wateree - Fiber Network Cards	\$50,000	\$50,000

### Deferred Applications

Title	Requested
Wateree - Server Replacement	\$140,000
Wateree - Flat Panel Monitors	\$87,500
Wateree - Replace Aging Autoloaders	\$75,000

### Applications with Special Status

Title	Requested
Wateree - LAN Operating System	\$3,750

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## DHEC Commission - Administration and Other

### Applications with Special Status

Title	Requested
Communication Resources - New Computers	\$20,000
Office of the Commissioner - New Computers	\$5,000
Communication Resources - Upgrades and Maintenance on Software	\$21,000
General Counsel - New Computers	\$20,000
Media Relations - New Computer	\$2,500
Office of Planning - New Computer	\$2,500
Chief Operating Officer - New Computer	\$2,500
Chief Operating Officer - Two-Way Radio Monthly Service	\$1,500

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## DHEC Commission - Finance

### Approved Applications

Title	Requested	Approved
Replacement of Existing Equipment	\$47,500	\$47,500

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## DHEC Commission - Information Systems and Services

### Approved Applications

Title	Requested	Approved
Information Systems - HIPAA Compliance Continuation	\$330,000	\$330,000

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## DHEC Commission - Vital Records and PH Statistics

### Approved Applications

Title	Requested	Approved
Office of PHSIS - New Personal Computers and Server	\$85,700	\$85,700

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## Educational Television Commission

### Approved Applications

Title	Requested	Approved
Institute for Teacher Technology Training Facility	\$354,000	\$354,000

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## Employment Security Commission

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Imaging System RAID storage and tape backup library	\$416,000	\$416,000
Mainframe Tech Support - Virtual Tape Library Subsystem	\$550,000	\$550,000
UI Benefits System	\$5,385,024	\$5,385,024
FARS - Federal Accounting Reporting System	\$6,235,000	\$6,235,000
Personal Computer Replacement	\$4,875,000	\$4,875,000
Server Computer Replacement	\$540,000	\$540,000
Core Computing/ Server Computer and Storage Replacement	\$625,000	\$625,000
Personnel Resources Improvement	\$42,000	\$42,000
Service Desk Management Software & Consulting Services	\$260,600	\$260,600
Imaging System RAID Array and Backup System Lease	\$200,000	\$200,000
Reproductive Services Copier	\$291,300	\$291,300

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## Greenville Technical College

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Replacement of Faculty & Staff Computers	\$890,000	\$890,000
Upgrading Infrastructure	\$477,800	\$477,800

### Applications with Special Status

<b>Title</b>	<b>Requested</b>
Replacement of Academic Lab Computers	\$1,042,000

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## Higher Education Commission

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Management Information Systems (CHEMIS) Project	\$2,115,000	\$2,115,000

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## Horry-Georgetown Technical College

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Administrative System Upgrade	\$235,950	\$235,950
Remote Campus Servers	\$50,000	\$50,000

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## Judicial Department

### Approved Applications

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Enterprise Network Infrastructure	\$545,000	\$545,000
Statewide Court Case Management System	\$2,450,000	\$2,450,000
Imaging and Case Management System for Appellate Courts	\$110,000	\$110,000
Call Center	\$250,000	\$250,000
Web Portal	\$305,000	\$305,000
Systems Integration	\$500,000	\$500,000

### Deferred Applications

<b>Title</b>	<b>Requested</b>
Equipment Refresh; Operational and Support Costs	\$480,000

## Lander University

### Approved Applications

Title	Requested	Approved
Electronic Classroom	\$563,000	\$563,000
Institution Wide Software Replacement	\$1,785,882	\$1,785,882

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## Medical University of South Carolina

### Approved Applications

Title	Requested	Approved
Infrastructure NST: Ethernet switch purchases	\$165,000	\$164,000
Infrastructure NST: Wireless networking infrastructure	\$88,250	\$88,250
Infrastructure ISA: ARCS IMAP 2	\$180,000	\$180,000
Infrastructure UCT: Call Center Solutions	\$380,000	\$380,000
Canon MicroFilmer/Scanner-Business Services	\$43,162	\$43,162
Parking Management Phase II fee cpu	\$74,000	\$74,000

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## Orangeburg-Calhoun Technical College

### Approved Applications

Title	Requested	Approved
Imaging system upgrade	\$85,000	\$85,000
Network infrastructure upgrade	\$110,000	\$110,000

### Deferred Applications

Title	Requested
Point of sale system for bookstore	\$55,000
Server consolidation	\$80,000

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## Piedmont Technical College

### Approved Applications

Title	Requested	Approved
Administrative Software Migration	\$1,130,000	\$1,130,000
WEBCT INTEGRATOR	\$38,500	\$38,500
DESKTOP UPGRADE	\$150,000	\$150,000
SERVER REPLACEMENT	\$25,000	\$25,000

### Deferred Applications

Title	Requested
LAN Infrastructure	\$1,000,000
SURVEILLANCE UPGRADE	\$38,500
Telephone System Replacement	\$490,000
GATE CONTROL SYSTEM	\$206,000
WEB FOR EMPLOYEES	\$38,500
SURVEILLANCE UPGRADE	\$175,000
UPGRADE ENERGY MANAGEMENT SYSTEM	\$510,000
UPGRADE COMMUNICATION SYSTEMS	\$323,000

### Applications with Special Status

Title	Requested
MASTER CLOCK SYSTEM	\$218,000
ELECTRONIC DOOR LOCKS	\$124,200
UPGRADE FIRE ALARM SYSTEM	\$394,800
REPLACE ELEVATORS	\$361,000

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## Probation, Parole, and Pardon Services

### Approved Applications

Title	Requested	Approved
Secure Computing Platform Infrastructure Upgrade	\$241,500	\$241,500
Printing Infrastructure Upgrade	\$300,000	\$96,000
Bandwidth Upgrades	\$334,000	\$334,000
Server Upgrade/Replacements	\$251,000	\$251,000

### Deferred Applications

Title	Requested
Security Infrastructure Upgrade	\$485,000

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## Retirement System

### Approved Applications

Title	Requested	Approved
General Upgrade of PC and Desktop	\$204,200	\$204,200
HP Platform Upgrades	\$240,800	\$240,800
Application Development	\$455,000	\$455,000
Network and Imaging	\$468,000	\$468,000

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## School for the Deaf and Blind

### Approved Applications

Title	Requested	Approved
Dell File Servers	\$80,000	\$80,000
Community Notification	\$30,415	\$30,415
SAP Management Info System	\$400,000	\$400,000
Core Switches	\$130,000	\$130,000

### Deferred Applications

Title	Requested
Large Screen TV's	\$288,000
Dell PC's	\$352,108
Lexmark Optra 1625N or HP Printers	\$28,800
Dell PC Laptops	\$41,600

### Applications with Special Status

Title	Requested
Windows 2000	\$10,101
Office 2000	\$19,556
Memory Upgrade	\$19,875
21in. Monitors	\$3,900
Digital Camera Equipment	\$1,932
Projector	\$4,600
APPLE COMPUTERS	\$5,889
Printers	\$4,419

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## State Accident Fund

### Approved Applications

Title	Requested	Approved
Remote Policy Auditing	\$33,700	\$33,700
Replacement Scanners	\$36,000	\$36,000

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## State Law Enforcement Division

### Approved Applications

Title	Requested	Approved
Statewide Web Based Law Enforcement System	\$200,000	\$200,000
SLIMS Upgrade	\$30,000	\$30,000

### Applications with Special Status

Title	Requested
Upgrade Printrak AFIS Computer	\$5,000,000

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## Tri-County Technical College

### Approved Applications

Title	Requested	Approved
Administrative Systems Upgrade	\$278,950	\$278,950
Campus Network Upgrade	\$232,600	\$232,600

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## Trident Technical College

### Approved Applications

Title	Requested	Approved
Renovation/Construction - Complex Phase II State Project	\$6,112,511	\$6,112,511
Increase Main Campus Fiber Optic Backbone Capacity	\$313,500	\$313,500
Replace Existing Voice Messaging System	\$48,250	\$48,250
B500 - Upgrade/Replace Existing Voice/Data Cable Plant	\$42,250	\$42,250
Replace Administrative Alpha Cluster	\$380,000	\$380,000
Upgrade Campus Data Network Electronics	\$1,924,600	\$1,924,600
B510 - Upgrade/Replace Existing Cable Plant	\$36,800	\$36,800
Continuing Education Network Infrastructure Upgrade	\$81,500	\$81,500
IP Telephony System	\$138,875	\$138,875
Network Analysis and Intrusion Detection	\$79,853	\$79,853
Replace Storage Area Network Front-end Server Systems	\$50,860	\$50,860
Add Additional Storage Capacity- Administrative SAN	\$37,150	\$37,150

### Deferred Applications

Title	Requested
Replace Academic AS/400.	\$114,389
Update/Replace administrative Computers/Peripherals	\$1,045,000
Academic Server Area Network, (SAN)	\$292,250

### Applications with Special Status

Title	Requested
Campus Closed Circuit System	\$707,415
Broadcast and Film Curriculum Support	\$4,146,700
Distance Learning and Classroom Instructional Support	\$1,686,531
Television Production Support	\$420,075
Library Services - Multimedia-on-Demand System	\$302,257
Replace Webadvisor/webadvisee server cluster	\$69,780



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## USC Business and Finance

### Deferred Applications

Title	Requested
Imaging	\$185,000

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## USC Computer Services, Columbia

### Approved Applications

Title	Requested	Approved
Telephone Switch Upgrades	\$187,000	\$187,000
Connectivity Upgrade to Campuses and School of Medicine	\$290,000	\$290,000
Web Based Training	\$81,500	\$81,500
Voice Mail System Upgrade	\$26,300	\$26,300
Reverse 911 System	\$44,000	\$44,000
Telephone Switch UPS	\$94,000	\$94,000
Voice Mail System Mailbox Upgrade	\$44,000	\$44,000
IFL Engine	\$170,000	\$170,000
IBM 3490 Cartridge Drives	\$26,000	\$26,000
Upgrade of the Contingency Plan	\$600,000	\$600,000
Streaming Media Network Appliance	\$100,000	\$100,000
Packateer	\$120,000	\$120,000
Switch Replacement	\$400,000	\$400,000
Greek Housing	\$1,845,000	\$1,845,000
Processor Upgrade/Optical Jukebox	\$572,000	\$572,000
Site Licenses	\$371,000	\$371,000
Mapping Software	\$32,000	\$32,000
Server Farm Enhancements	\$86,500	\$86,500
Blackboard Interface	\$40,000	\$40,000

### Deferred Applications

Title	Requested
Peer-to-Peer Mainframe Tape Technology	\$535,000
Data Warehouse Expansion	\$360,000
PDA's	\$820,000

### Applications with Special Status

Title	Requested
Classroom Equipment Upgrades	\$34,000

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## USC Vice President for Student and Alumni Services

### Approved Applications

Title	Requested	Approved
Thomson Student Health Center Clinic Management System	\$75,000	\$75,000

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## USC, Aiken

### Approved Applications

Title	Requested	Approved
Campus Wide Wireless Infrastructure	\$61,000	\$61,000
Assistive Technology Computing Facilities	\$191,600	\$191,600
Campus Phone System Upgrade	\$76,500	\$76,500
Increased Bandwidth for Internet Access	\$98,000	\$98,000

### Deferred Applications

Title	Requested
Planetarium Upgrade	\$335,000

### Applications with Special Status

Title	Requested
Educational Technology Lab Upgrade	\$210,000

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## USC, Salkehatchie

### Approved Applications

Title	Requested	Approved
Computers Leadership Center Classroom	\$40,500	\$40,500
New Equipment Community Development Lab	\$52,000	\$52,000
New Equipment Libraries	\$125,000	\$125,000
New Computers Faculty/Staff	\$70,000	\$70,000

### Applications with Special Status

Title	Requested
Computers for New Leadership Center Admin and Staff	\$23,300
Computers for Renovated Computer Labs	\$91,500
Two-Way Radio Equipment for Salkehatchie	\$4,788
VTEL Equipment	\$80,000

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## USC, Spartanburg

### Approved Applications

Title	Requested	Approved
Voice / Telephone Integration Data System	\$100,000	\$100,000
VOIP (Voice Over IP) Implementation	\$245,000	\$245,000
Collaborative Computing Environment	\$535,000	\$535,000
Web Services Migration and Enhancement	\$115,000	\$115,000
Network Security Firewall	\$143,000	\$143,000
Core Network Electronics Upgrades	\$168,000	\$168,000
Network Administration and Management System	\$90,000	\$90,000
Campus Wireless Networking Expansion	\$175,000	\$175,000
Distance Education System and Facility Upgrades	\$252,000	\$252,000
Data Warehouse Development and Implementation	\$275,000	\$275,000
Wireless Handheld Computing for Teaching and Learning	\$130,000	\$130,000

### Deferred Applications

Title	Requested
Network File Storage Redundancy	\$215,000
Help Desk / User Support Incident and Resolution Tracking System	\$152,000
Lifecycle Computer Replacement Program	\$1,250,000
Campus News and Events Broadcast System	\$52,000
Unified Messaging System Implementation	\$250,000

Printing and Copying Equipment Replacement	\$500,000
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**Applications with Special Status**

<b>Title</b>	<b>Requested</b>
Campus Computer Training Facility	\$83,000
University Center at Greenville Instructional Support	\$100,000
Smart Classrooms for Instructional Support	\$440,000
Campus Web Course Development Platform	\$320,000

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**Vocational Rehabilitation Commission****Approved Applications**

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
SCVRD-(DDD)-Electronic Voice Processing System	\$246,000	\$246,000

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**Winthrop University****Approved Applications**

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Central Computing (Mission Critical) Cluster Upgrade	\$537,570	\$537,570

**Applications with Special Status**

<b>Title</b>	<b>Requested</b>
Standard PC and Computing Lab Accessories Obsolescence policy	\$3,750,000
Smart Classroom Installations	\$2,191,600

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**York Technical College****Approved Applications**

<b>Title</b>	<b>Requested</b>	<b>Approved</b>
Network communications for Chester County Campus	\$72,000	\$72,000

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## **V. Major Applications of Information Technology**

## **Description**

The following section lists major applications planned for FY 2003-2004. These applications are grouped by category with a brief observation for each presented at the end of each grouping. These technologies were chosen because of their potential impact on IT budgets across state agencies and institutions.

## Consultant Applications: 2003-04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Cost</u>
Aiken Tech	Library System	\$50,000
Archives	Digital Memory Project	\$75,000
	Internet Access to Catalog	\$35,000
BCB/Insurance Services	Network and Imaging	\$250,000
Central Carolina Tech.	Infrastructure Upgrade	\$6,965
	Administration System Upgrade	\$18,400
Clemson	Contractors, Consultants, & Training	\$230,000
	Remote Access Capability	\$6,000
DDSN	Enhance Web-enable Client Systems	\$400,000
DHHS	HIPAA	\$7,073,683
Insurance	Uniform Producer Model Law	\$900,000
	Document Image Management	\$409,000
DMH	Automated LAB System	\$70,000
	Centralized Transcription System	\$250,000
	HIPAA	\$2,475,000
	Medical Records Pilot Project	\$325,000
DOR	Tax Data Warehouse	\$300,000
	Relational DB Conversion	\$3,430,000
DHEC/Edisto	Conversion of Telephone Switch	\$12,000
	Training for IT Staff	\$10,000
DHEC/EQC	Modification to EFIS	\$720,000
	Establish Node for National EIS	\$133,000
	GIS Software	\$7,000
	GIS Training	\$20,000
DHEC/Commission	HIPAA	\$80,000
ESC	UI Benefits System	\$2,487,936
	FARS	\$485,000
	Network/Systems/Desk Mgmnt	\$90,000
Comm. Higher Ed.	CHEMIS	\$2,000
Horry-Georgetown Tech.	Administration System Upgrade	\$25,200
Judicial Department.	Case Management System	\$2,450,000
	System Integration	\$500,000
Lander	Electronic Classroom	\$157,000
	Institution-wide Software Replacement	\$566,000

DNR	Flood Map Modernization	\$16,000,000
Piedmont Tech.	Administration Software Migration	\$650,000
	LAN Infrastructure	\$50,000
	Upgrade Energy Mgmnt System	\$40,000
	Upgrade Communication System	\$2,000
Probation Pardon Parole System	Bandwidth Upgrades	\$19,000
	Security Infrastructure Upgrade	\$50,000
Retirement Systems	Application Development	\$400,000
	Network and Imaging	\$383,000
Deaf/Blind School	SAP	\$157,500
State Accident Fund	Remote Policy Auditing	\$25,000
Tri-County Tech.	Administration System Upgrade	\$25,200
	Campus Network Upgrade	\$15,000
Trident Tech.	Renovation-Communications	\$675,000
	Increase Fiber Optic Backbone	\$36,000
	ITFS	\$12,000
	Replace AS/400	\$11,245
	Academic SAN	\$9,750
	Campus Closed Circuit System	\$10,000
	Broadcast/Film Curric. Support	\$50,000
	Distance Learning	\$103,000
	Library Services	\$17,331
USC Bus & Finance	Imaging	\$25,000
USC Spartanburg	Voice Over IP Implementation	\$25,000
	Collaborative Computing	\$110,000
	Web Services Migration	\$25,000
	Network Security Firewall	\$20,000
	Core Network Electronics Upgrade	\$12,000
	Wireless Network Expansion	\$24,000
	Distance Education System	\$12,000
	Data Warehouse Development	\$25,000
	Help Desk Tracking System	\$25,000
	Unified Messaging System	\$25,000
	Smart Classrooms	\$20,000
	Web Course Development Platform	\$30,000

USC Comp. Services	Phone Switch Upgrade	\$47,000
	WEB-Based Training	\$81,500
	Phone Switch UPS	\$8,000
	Greek Housing - Communications	\$645,000
	Blackboard Interface	\$40,000
	Enterprise Resource Planning System	\$23,290,000
<b>Total</b>		<b>\$67,279,710</b>

**Observations:**

- Significant amounts of large system development are being contracted to outside consultants.
- A number of states are examining their use of IT consultants. For example, in Delaware, they exempted the IT department from civil service pay scales, allowing them to pay market value for IT employees. They eliminated 28 consultants and realized a net savings of \$2.5 million even though they pay more for the IT employees.



## Distance Education Applications 2003-2004 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
Clemson	Distance Learning Classrooms	Cameras, tape equipment switcher, monitors, cables	\$52,500
Col. of Charleston	Integrate WebCT with Student Information System	Distance Ed Application	\$105,000
Lander	Electronic Classroom	WebCT & 24 Classroom Upgrade	\$563,000
Piedmont Tech. Col.	WebCT Integrator	Distance Ed Application	\$38,500
SCETV	Institute for Teacher Technology Training Facility	Equip training facility	\$354,000
Trident Tech. Col.	Continuing Education Network Infrastructure	Upgrade network	\$81,500
	Distance Learning	Satellite receivers, video cameras, etc	\$1,686,531
USC Aiken	Educational Technology Lab Upgrade	Technology upgrades	\$210,000
USC Spartanburg	Smart Classrooms	Upgrade to smart classrooms	\$440,000
	Distance Education System and Facility Upgrade	H.323 upgrade & media equipment	\$25,200
USC-Columbia	Web-based training	Distance Ed Application	\$81,500
	Blackboard Interface	Distance Ed Application	\$40,000
Winthrop	Smart Classroom Installations	Upgrade to smart classrooms	\$2,191,600
<b>Total</b>			<b>\$5,869,331</b>

### Observations:

- WebCT and BlackBoard have emerged as the de facto standard applications for distance education.
- The equipment and software purchased to equip “smart classrooms” or “electronic classrooms” appear to be driven by IT within institutions with little or no statewide orchestration. This is an example where collaborative standards and procurement could net significant savings.

## GIS Applications 2003-04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
DHEC	ArcGIS Connect and Deployment Licensing	Software licenses	\$82,000
DHEC	EQC GIS & Related Data	Purchase data	\$60,000
DHEC	EQC GIS & Related Software	Software upgrade	\$577,000
DHEC	EQC GIS & Related Training	Training	\$100,000
DHEC	EQC GIS Internet Mapping Server	Hardware purchase	\$110,000
DHEC	EQC GIS Intranet Mapping Server	Hardware purchase	\$110,000
DHEC	EQC GIS Spatial Database Engine Server	Hardware replacement	\$100,000
DHEC	EQC GIS Support & Deployment	Thin-client deployment	\$407,000
DHEC	EQC GPS & Related Items GPS Units	Equipment & software	\$210,000
DHEC	EQC Data Centralization through EquIS Application	Software & consulting	\$115,000
DHEC	Environmental Facility Information Systems Phase II	Contractual services	\$3,600,000
Dept. Natural Resources	Multihazard Flood Map Modernization	Hardware, software and contractual services	\$32,225,000

**Total \$37,696,000**

### Observations:

- Public policy is being shaped by the availability of high quality geospatial data.
- This increasing emphasis highlights the need for coordination, collaboration and an enterprise view of GIS management.

## Microcomputer Requests 2003-04 IT Plan

<u>Agency</u>	<u>Quantity</u>	<u>Cost</u>	<u>Agency</u>	<u>Quantity</u>	<u>Cost</u>
BCB General Services	45	\$45,000	Greenville Tech	200	\$170,000
BCB Insurance Services	5	\$8,000	Piedmont Tech	100	\$150,000
DHEC Appalachia I	44	\$66,000	USC, Salkehatchie	5	\$14,000
DHEC EQC	340	\$510,000	USC, Salkehatchie	10	\$25,000
DHEC Vital Records	29	\$72,500	USC, Salkehatchie	17	\$42,500
DHEC Finance	3	\$7,500	USC, Salkehatchie	15	\$40,500
DHEC Personnel	2	\$5,000			
DHEC Commissioner	2	\$5,000	<b>Total</b>	<b>2,896</b>	<b>\$3,846,775</b>
DHEC Planning	1	\$2,500			
DHEC Media Relations	1	\$2,500			
DHEC Gen. Counsel	8	\$20,000			
DHEC FOI	2	\$5,000			
DHEC Comm.	4	\$20,000			
DHEC Health Reg.	50	\$104,750			
DHEC Central Office	600	\$600,000			
DHEC LC Health Dist.	40	\$100,000			
DHEC Appalachia III	100	\$100,000			
DHEC Low. Savannah	69	\$82,800			
DHEC Edisto	100	\$100,000			
DHEC Upper Savannah	229	\$326,325			
Employment Security	750	\$975,000			
Human Affairs	11	\$29,700			
Retirement Systems	64	\$107,200			
Central Carolina Tech	50	\$110,000			

### Observations:

- The majority of these requests are the result of cyclic refreshment programs.
- As more and more agencies adopt this policy, we can expect to see this number grow.
- Cyclic pre-planning by all agencies can enhance purchasing arrangements and contract terms.

## Server Applications 2003-04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
Clemson	DHHS Core Business Systems	System upgrade	\$253,000
Clemson	Upgrade to Directory, Utility, File, Print and Web Servers	System upgrade	\$315,000
Clemson	Network Support Systems	Scheduled replacement	\$118,000
Clemson	Software Licenses, Renewals, and Maintenance	Add server	\$60,000
Clemson	Hardware Maintenance Fees	Server maintenance fees	\$4,500
Clemson	Upgrade and/or Replace Equipment	Scheduled replacement	\$18,000
Clemson	Remote Access Capability	Add server	\$6,000
Dept. of Revenue	New Storage Area Network	Scheduled replacement	\$123,000
Dept. of Revenue	Replace Scan/Image Infrastructure	Add server	\$32,000
Dept. of Revenue	Replace Datebase Servers	Add server	\$54,000
DHEC	GIS Intranet Mapping Server	Add server	\$110,000
DHEC	GIS Internet Mapping Server	Add server	\$110,000
DHEC	SAN Unit for Server Storage	Consolidation	\$260,000
DHEC	GIS Spatial Database Engine Server	Add Server	\$100,000
DHEC	Replacement of Novell and Microsoft Servers	Scheduled replacement	\$1,625,000
DHEC	EFIS Special Function Servers	Scheduled replacement	\$910,000
DHEC	Hardware Replacement	Scheduled replacement	\$5,000
DHEC	CARES	New system	\$3,358,782
DHEC	Server Upgrade for Richland and Lexington Health Dist.	Scheduled replacement	\$35,000
DHEC	Server Replacement Up. Savannah	Scheduled replacement	\$167,664
DHEC	Server Replacement Wateree	Scheduled replacement	\$140,000
DHEC	Office of PHSIS PC and Server Replacement	Scheduled replacement	\$6,000
ESC	Server Replacement	Scheduled replacement	\$340,000

ESC	Server and Storage Replacement	Scheduled replacement	\$625,000
Horry-Georgetown Tech.	Administrative System Upgrade	Scheduled replacement	\$120,000
Horry-Georgetown Tech.	Remote Campus Servers	Scheduled replacement	\$50,000
MUSC	Infrastructure ISA: ARCS IMAP 2	Scheduled replacement	\$180,000
Orangeburg-Calhoun Tech	Server Consolidation	Consolidation	\$80,000
Piedmont Tech.	Server Replacement	Scheduled replacement	\$25,000
Probation, Parole and Pardon	Server Upgrade/Replacement	Scheduled replacement	\$251,000
School for Deaf and Blind	File Servers	Scheduled replacement	\$80,000
Tri-County Tech.	Administrative Systems Upgrade	Scheduled replacement	\$150,000
Trident Tech.	Replace Academic AS/400	Scheduled replacement	\$114,389
Trident Tech.	Replace Administrative Alpha Cluster	Scheduled replacement	\$380,000
Trident Tech.	Replace Webadvisor/webadvisee server cluster	Scheduled replacement	\$69,780
Trident Tech.	Replace Server Area Network	Scheduled replacement	\$292,250
USC	Server Farm Enhancements	System enhancements	\$86,500
USC	Health Clinic Management System	Add server	\$75,000
			<b>Total \$10,729,865</b>

**Observations:**

- The majority of these requests are the result of cyclic refreshment programs. As more and more agencies adopt this policy, we can expect to see this number grow.
- Pre-planning by all agencies can enhance purchasing arrangements and contract terms.
- Cooperative efforts in the areas of server purchasing, operation and management should be reviewed as the numbers continue to grow.

## Storage Applications 2003-04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
BCB Insurance Services	Network and Imaging	COLD Storage component	\$280,000
BCB Retirement System	Network and Imaging	COLD Storage component	\$468,000
Clemson	Upgrade to Directory, Utility File, Print and Web-server	Network storage	\$50,000
Dept. of Revenue	New Storage Area Network	SAN	\$142,000
DHEC	EQC GIS Spatial Database Hard drives Engine Server		\$100,000
DHEC	EQC SAN for Server Storage Consolidation	SAN	\$260,000
ESC	UI Imaging System RAID storage and tape backup library acquisition	Storage component	\$416,000
ESC	Core Computing/Server Computer Storage component and Storage		\$625,000
Horry-Georgetown Tech Col	Administrative System Upgrade	Storage component	\$120,000
Horry-Georgetown Tech. Col.	Remote Campus Servers	Storage component	\$40,000
MUSC	Infrastructure ISA: ARCS IMAP 2	Disk storage	\$80,000
Orangeburg-Calhoun Tech. Col.	Server Consolidation	Storage component	\$80,000
Tri-County Tech.	Administrative Systems Upgrade	Storage component	\$150,000
Trident Tech. Col.	Add Storage Capacity Admin SAN	Add storage capacity	\$37,150
USC Computer Services	Peer to Peer Mainframe Tape Technology	Virtual tape library	\$535,000
USC Spartanburg	Network File Storage Redundancy	Expand NAS	\$215,000
<b>Total</b>			<b>\$3,598,150</b>

### Observations:

- The storage industry is gravitating toward open application programming interfaces therefore agencies should attempt to select vendors participating in developing open standards. By selecting those vendors, agencies will realize the benefits of interoperability and increased manageability.

## VOIP Applications 2003/04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
USC Spartanburg	Campus VOIP	unified systems-Univ. Center	\$245,000
Trident Tech	IP telephony	reduce cable plant costs	\$138,875
			<b>Total \$383,875</b>

### Observations:

- Still premature to rollout VOIP across entire enterprise network due to concerns about interoperability, security and bandwidth management. Can be suitable for interoffice, long distance, toll-bypass, and isolated LANs.

## Wireless Applications 2003/04 IT Plan

<u>Agency</u>	<u>Application Title</u>	<u>Description</u>	<u>Cost</u>
USC	Wireless Cloud	Seamless network campus-wide	\$1,650,000
USC/Aiken	Wireless Infrastructure	Wireless LAN coverage	\$61,000
USC Spartanburg	Wireless Network	Expand existing wireless net	\$95,000
USC Spartanburg	Handheld Wireless	Interactive instruction	\$80,000
Clemson	Wireless Projects	For instructional/research use	\$268,000
MUSC	Wireless Network Infrastructure	Support laptop & handheld	\$88,250
			<b>Total \$2,242,250</b>

### Observations:

- Wireless is gaining momentum especially in Higher Education.
- The greatest barriers to adopting wireless technologies are a lack of security, unproven benefits/ROI of wireless technologies and applications and high start-up costs.
- This continues to be a technology to watch carefully.